



DATE: February 24, 1997

Sheet 1 of 8

FORM PTO-1449-Mod.

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
115132-4SERIAL NO.
08/475,470

LIST OF DISCLOSURES

APPLICANT
RICHARD J. SAMULSKI ET AL.FILING DATE
June 7, 1995GROUP
1805 1809

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE
ATN	AA	5	1	3	9	9	4	1	8/19/92	Muzyczka et al.	435	172.3	
ATN	AB	5	1	7	3	4	1	4	12/22/92	Lebkowski et al.	435	172.3	
ATN	AC	5	2	5	2	4	7	9	10/12/93	Srivastava	435	235.1	
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OTHER DOCUMENTS

ATN	AR		Bank et al., "Gene Transfer. A Potential Approach to Gene Therapy for Sickle Cell Disease", <u>Annals New York Academy of Sciences</u> , pp. 37-43. (no year)
ATN	AS		Friedmann, "Gene Therapy", <u>Therapy for Genetic Disease</u> , pp. 107-121. (no year)
ATN	AT		Hermonat et al., "Use of adeno-associated virus as a mammalian DNA cloning vector: Transduction of neomycin resistance into mammalian tissue culture cells", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 81, pp. 6466-6470 (October 1984).

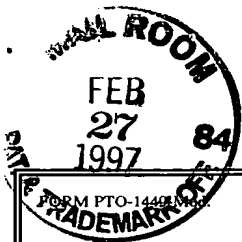
EXAMINER

Amy Nels

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5/11/97

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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OTHER DOCUMENTS

ATN	AR1		Tratschin et al., "A Human Parvovirus, Adeno-Associated Virus, as a Eucaryotic Vector: Transient Expression and Encapsidation of the Procaryotic Gene for Chloramphenicol Acetyltransferase", <u>Molecular and Cellular Bio.</u> , pp. 2072-2081 (October 1984).
ATN	AS1		Orkin, "Molecular Genetics and Potential Gene Therapy", <u>Clinical Immunology and Immunopathology</u> , Vol. 40, pp. 151-156 (1986).
ATN	AT1		Nienhuis et al., "Transfer of Genes in Hematopoietic Cells with Retroviral Vectors", <u>Cell Physiology of Blood</u> , Chapter 8, pp. 79-89 (1988).

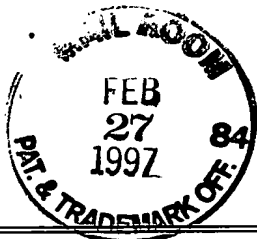
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OTHER DOCUMENTS

ATN	AR2		Wondisford et al., "Cloning of the Human Thyrotropin β -Subunit Gene and Transient Expression of Biologically Active Human Thyrotropin after Gene Transfection", <u>Molecular Endocrinology</u> , Vol. 2, No. 1, pp. 32-39 (1988).
ATN	AS2		LaFace et al., "Gene Transfer into Hematopoietic Progenitor Cells Mediated by an Adeno-Associated Virus Vector", <u>Virology</u> , Vol. 162, pp. 483-486 (1988).
ATN	AT2		Williams, "Gene Transfer and the Prospects for Somatic Gene Therapy", <u>Hematology/Oncology Clinics of North America</u> , Vol. 2, No. 2, pp. 277-287 (June 1988).

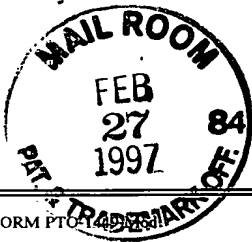
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FORM PTO-149 (Rev. 11-83)

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ATW	AR3	Gale, "Prospects for Correction of Thalassemia by Genetic Engineering", <u>Advances and Controversies in Thalassemia Therapy: Bone Marrow Transplantation and Other Approaches</u> , pp. 141-159 (1989).
ATN	AS3	Srivastava et al., "Construction of a recombinant human parvovirus B19: Adeno-associated virus 2 (AAV) DNA inverted terminal repeats are functional in an AAV-B19 hybrid virus", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 86, pp. 8078-8082 (October 1989).
ATN	AT3	Sorrentino et al., "A 46 base pair enhancer sequence within the locus activating region is required for induced expression of the gamma-globin gene during erythroid differentiation", <u>Nucleic Acids Research</u> , Vol. 18, No. 9, pp. 2721-2731 (1990).

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FORM PTO-1449-Mod.

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AJN	AR4		Beutler et al., "Gene Transfer in the Treatment of Hematologic Disease", <u>Exp. Hematol.</u> , Vol. 18, pp. 857-860 (1990).
AJN	AS4		Ohl et al., "Construction and replication of an adeno-associated virus expression vector that contains human β -globin cDNA", <u>Gene</u> , Vol. 89, pp. 279-282 (1990).
AJN	AT4		Novak et al., "High-level β -globin expression after retroviral transfer of locus activation region-containing human β -globin gene derivatives into murine erythroleukemia cells", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 87, pp. 3386-3390 (May 1990).

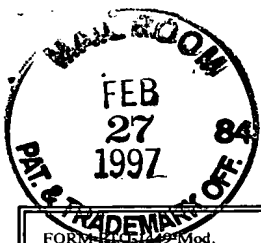
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FORM 1001-1997 Mod.

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AJN	AR5	Desnick et al., "Human Gene Therapy: Strategies and Prospects for Inborn Errors of Metabolism", <u>Treatment for Genetic Diseases</u> , pp. 239-259 (1991).
AJN	AS5	Nienhuis et al., "Gene Transfer Into Hematopoietic Stem Cells", <u>Cancer</u> , Vol. 67, pp. 2700-2704 (1991).
AJN	AT5	Samulski et al., "Targeted integration of adeno-associated virus (AAV) into human chromosome 19", <u>The EMBO Journal</u> , Vol. 10, No. 12, pp. 3941-3950 (1991).

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FORM PTO-1345 (Rev. 11-84)

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AJN	AR6		Ledley, "Clinical Considerations in the Design of Protocols for Somatic Gene Therapy", <u>Human Gene Therapy</u> , Vol. 2,
			pp. 77-83 (1991).
AJN	AS6		Sitaric et al., "Production of a Helper-Free Recombinant Adeno-Associated Virus That Harbors Human Beta-Globin cDNA",
			FASEB 6(5):6843 (Abstract) (1991).
AJN	AT6		Walsh et al., "Gene Transfer and High Level Expression of a Human Gamma Globin Gene Mediated by a Novel Adeno-
			Associated Virus (AAV) Vector", Clinical Research 39(2):325A (Abstract) (1991).

EXAMINER

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AJN	AR7	Muzyczka, "Use of Adeno-Associated Virus as a General Transduction Vector for Mammalian Cells", <u>Current Topics in Microbiology and Immunology</u> , Vol. 158, pp. 97-129 (1992).
AJN	AS7	Chang et al., "A 36-base-pair core sequence of locus control region enhances retrovirally transferred human β -globin gene expression", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 89, pp. 3107-3110 (April 1992).
AJN	AT7	Miller, "Human gene therapy comes of age", <u>Nature</u> , Vol. 357, pp. 455-460 (June 1992).

EXAMINER

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